

IN THE DRAWINGS:

Please delete figures 1-17 and replace with new figures 1-17, which are each marked as a “Replacement Sheet.” Figures 1-17 are being replaced to correct objections from the Examiner. The replacement figures incorporate corrections that satisfy the Examiner’s rejections. Also, Figures 1-17 are amended to replace the title: “SYSTEM AND METHOD FOR IMPLEMENTING XML ON AN ENERGY MANAGEMENT DEVICE” with the new title: “ENERGY MANAGEMENT DEVICE AND ARCHITECTURE WITH MULTIPLE SECURITY LEVELS.”

RESPONSE

This is a response to the Office Action dated September 30, 2004. Claims 1-31 have been cancelled and claims 32-64 have been added. In the Office Action, the Examiner objected to various informalities and typographic errors in the specification. Claims 1-31 were also provisionally rejected under 35 U.S.C. § 101 based on double patenting. Claims 1-31 were rejected under 35 U.S.C. § 103(a) as being unpatentable over: U.S. Pub 2002/0103772 (“Chattopadhyay”) in view of U.S. Pub 2003/0236903 (“Piotrowski”); and Chattopadhyay in view of Piotrowski and further in view of U.S. Pat. No. 6,377,939 (“Young”).

The rejections from the Office Action of September 30, 2004 are discussed below. No new matter has been added. Reconsideration of the application is respectfully requested in light of the above amendments and the following remarks.

I. INFORMATION DISCLOSURE OBJECTIONS

The information disclosure statement filed on 1/23/04 was objected to for failing to attach a PTO-1449 form according to 37 CFR 1.98(a)(1). However, the information disclosure statement filed on 1/23/04 did include a PTO-1449 as evidenced by the enclosed photocopy of the postcard receipt from the PTO. For the Examiner’s convenience, a copy of the appropriate PTO-1449 has also been included with this response.

II. DRAWING OBJECTIONS

The Examiner objected to the drawings as containing various informalities. With this response, appropriate corrections have been made in the substitute specification provided herewith and disclosed below. No new matter has been added. In particular, the following corrections have been made:

1. On page 15, paragraph 0056 the detailed description has been modified to replace “111” with “211”;
2. On page 15, paragraph 0057 the detailed description has been modified to delete three instances of “111” and replace them with “211”;
3. On page 19, paragraph 0064 of the detailed description has been modified to include loads 151 and 153 as well as generator 152: “The consumer 132

- concurrently monitors usage of loads 150 151 153, where generator 152 supplies power to usage load 153,...”;
4. On page 19, paragraph 0064 of the detailed description has been modified to include the sentence: “A second customer 133 can also concurrently monitor usage loads 155 156 157 where generator 154 supplies power to usage load 157”;
 5. On page 24, paragraph 0070 of the detailed description has been modified to include identification of the IP layers as 326: “...remaining IP layers 326 where...”;
 6. On page 27, paragraph 0075 of the detailed description has been modified to state: “...where kVA or kWh pulses 420 translated into data 422 are sent...”;
 7. On page 27, paragraph 0075 of the detailed description has been modified to state: “...analyzed according to 430 for usage, consumption...”;
 8. On page 27, paragraph 0075 of the detailed description has been modified to state: “...set tariff structure according to 436.”;
 9. On page 28, paragraph 0076 of the detailed description has been modified to remove a space after “load management component 259”;
 10. On page 28, paragraph 0077 of the detailed description has been modified to state: “...measures power usage by the load and by converting a kWh or kVa pulse 511 into data 512 and transmits...”;
 11. On page 28, paragraph 0077 of the detailed description has been modified to state: “...usage 516, 518 and upon receiving costs 520 compares rates...”;
 12. On page 28, paragraph 0077 of the detailed description has been modified to state: “...tariff structure 523, 524 and the process is complete 530.”;
 13. On page 34, paragraph 0088 of the detailed description has been modified to state: “...passes the monitored data over network 1010 to a monitoring server 1011”;
 14. On page 43, paragraph 0107 of the detailed description has been modified to state: “Figure 15 illustrates an exemplary method for generating 1500 and transmitting 1501 an XML document that cycles until the generation is complete 1502.”;
 15. On page 43, paragraph 0107 of the detailed description has been modified to add the following sentence at the end of the paragraph: “The transformations are from the source 1610 to Unicode translation 1620 to unity 1630, then either a hash

value output 1640 or to XML parsing 1650 to HTTP transformation 1660 and to TCP/IP data sink 1670”;

16. Figures 1-31 have been amended to be identified as “Replacement Sheet” on the top margin of each Figure;
17. Figures 1-31 have been amended to replace the old title with the new title:
ENERGY MANAGEMENT DEVICE AND ARCHITECTURE WITH
MULTIPLE SECURITY LEVELS;
18. Figure 12 has been amended so the label says “Figure 12” instead of “Figur 12”;
and
19. Figure 15 has been amended so the label says “generation” instead of “gen
ration”;

Accordingly, Applicants respectfully request that the Examiner withdraw these objections to the Drawings.

III. SPECIFICATION OBJECTIONS

The Examiner objected to the specification as containing various informalities and typographic errors. With this response, a substitute specification has been provided which corrects all of the errors noted by the Examiner. No new matter has been added. A marked up version of the substitute specification has also been provided showing the changes made except it does not detail the formatting changes and font changes made to the tables.

In particular, the following corrections have been made:

1. On the cover page and page 1, the title has been changed to ENERGY
MANAGEMENT DEVICE AND ARCHITECTURE WITH MULTIPLE
SECURITY LEVELS;
2. On the cover page, the reference number for the assignee (“PML Ref. No.
300107”) has been added underneath the reference number of the attorney for
Applicants;
3. On page 1, the Related Applications section has been updated;
4. On page 2, paragraph 5, “XML” has been changed to “Extensible Markup
Language (XML).” It is well known that the acronym XML stands for Extensible
Markup Language;

5. On page 11, paragraph 47, “SMTP” has been changed to “Simple Mail Transfer Protocol (“SMTP”).” It is well known that the acronym SMTP stands for Simple Mail Transfer Protocol;
6. On page 11, paragraph 47, “MIME” has been changed to “Multipurpose Internet Mail Extensions (“MIME”).” It is well known that the acronym MIME stands for Multipurpose Internet Mail Extensions;
7. On page 11, paragraph 47, “POP” has been changed to “Post Office Protocol (“POP”).” It is well known that the acronym POP stands for Post Office Protocol;
8. On page 16, paragraph 59, “supplier/utility 123, 124” has been corrected to “supplier/utility 130, 131”;
9. On page 16, paragraph 59, four instances of “components 211” has been corrected to “components 201 202 203”;
10. On page 16, paragraph 59, and page 16, paragraph 60, “power management application 111” has been corrected to “power management application 211”;
11. On page 19, paragraph 64, “power distribution” was deleted before “network 110”;
12. On page 22, paragraph 67, “load’s 301” has been corrected to “load’s 317”;
13. On page 22, paragraph 67, “communications interface 312” has been corrected to “communications interface 313”;
14. On figure 3b of the drawings, the Network has been labeled as 307;
15. On page 28, paragraph 76, “load management component 250” has been corrected to “load management component 259”;
16. On page 28, paragraph 77, “back end server 511” has been corrected to “back end server.”;
17. On page 30, paragraph 82, the referenced patent has been updated with Patent No. “6,671,654”;
18. On page 31, paragraph 83, “loads 724 726” has been corrected to “loads 722 724”;
19. On page 32, paragraph 85, “IED 804 806” has been corrected to “IED 802 804”;
20. On page 35, paragraph 89, “data fro” has been corrected to “data from”;

21. On page 43, paragraph 107, “XML document 1200” has been corrected to “XML document in Figure 12”; and

22. On page 59, the Abstract has been amended and rewritten in under 150 words.

Accordingly, Applicants respectfully request that the Examiner withdraw these objections to the Specification.

IV. REJECTIONS UNDER 35 U.S.C. § 112

The Examiner rejected claim 10 under 35 U.S.C. § 112, second paragraph as being indefinite. With this amendment, claim 10 has been cancelled. Accordingly, Applicants respectfully request that the Examiner withdraw the rejection of claim 10.

V. DOUBLE PATENTING REJECTION

The Examiner provisionally rejected claims 1-31 under 35 U.S.C. § 101, as claiming the same invention as that of claims 1-31 of co-pending Application No. 10/689,895 (The '895 App.). With this response, claims 1-31 have been cancelled and new claims 32-64 have been added.

Accordingly, Applicants respectfully request that the Examiner withdraw this objection.

VI. REJECTIONS UNDER 35 U.S.C. § 103(a)

Claims 1, 3-11 and 13-31 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Chattopadhyay in view of Piotrowski and dependent claims 2 and 12 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Chattopadhyay in view of Piotrowski further in view of Young. Chattopadhyay discloses a “system for evaluating real-time power flow. [The system collects] measurement data associated with at least one point in a power transmission network and a server...operable to process measurement data to determine a current. A client in communication with the server...display[s] the current...and a cost associated with the current.” Chattopadhyay, Abstract. Piotrowski discloses a “method or apparatus...for streaming an XML document...that allows the receiver to decode prioritized portions. The XML receiver [can process] the most important XML portions of an XML stream first, as well as in mid-transmission.” Piotrowski, Abstract. “Each XML document is encoded as a collection of segments (e.g. XML portions), which enables the receiver to no longer wait to receive the entire

XML document before processing the information.” Piotrowski, paragraph 16 (emphasis added). Young discloses a “processing system for processing metered information [with] configurable processing modules and a configuration manager.” “Each processing module performs a specific sub-part of a computation on the metered information...” Young, Abstract.

New independent claims 32, 45 and 50 disclose an energy mangament device comprising multiple security levels upon which encryption is used to limit access to data and commands to and from the device. Likewise, independent claim 59 discloses an architecture comprising of energy management devices having multiple security levels that limit access to data and commands to and from the devices. Neither Chattopadhyay, Piotrowski nor Young disclose multiple security levels as claimed in claims 32, 45, 50, 59 and the corresponding dependent claims. Because none of the cited references disclose all of the limitations of these claims, claims 32-64 are neither anticipated, nor obvious in view of Chattopadhyay, Piotrowski, Young, or any combination of these references. Applicants submit that claims 32-64 are patentable over the cited references.

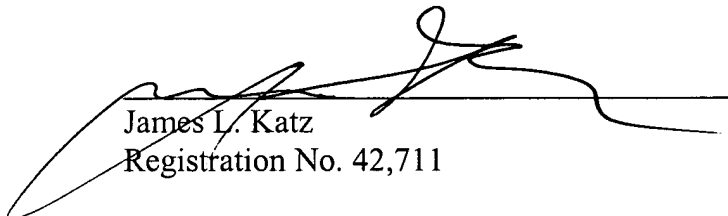
Accordingly, Applicants respectfully request that the Examiner withdraw this rejection.

CONCLUSION

Each of the rejections in the Office Action dated September 30, 2004 has been addressed and no new matter has been added. Applicants submit that all of the pending claims are in condition for allowance and notice to this effect is respectfully requested. The Examiner is invited to call the undersigned if it would expedite the prosecution of this application.

Respectfully submitted,

1/28/15
Date


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